Construction and Demolition Ordinance

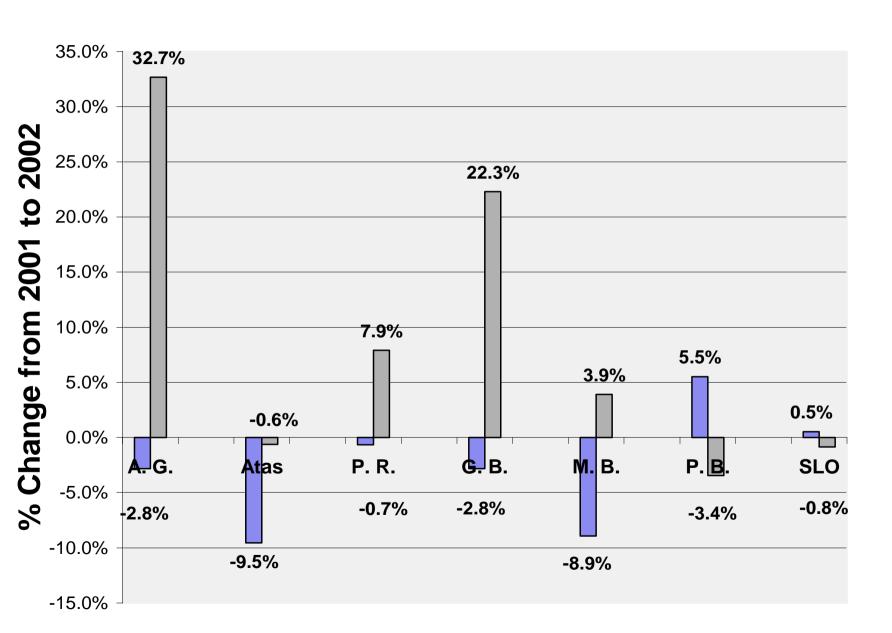
by

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Integrated Waste Management Authority

San Luis Obispo IWMA

- 51% Diversion Rate in 1998
- Reduce, Reuse and Recycle

Franchise vs Non Franchise Hauler



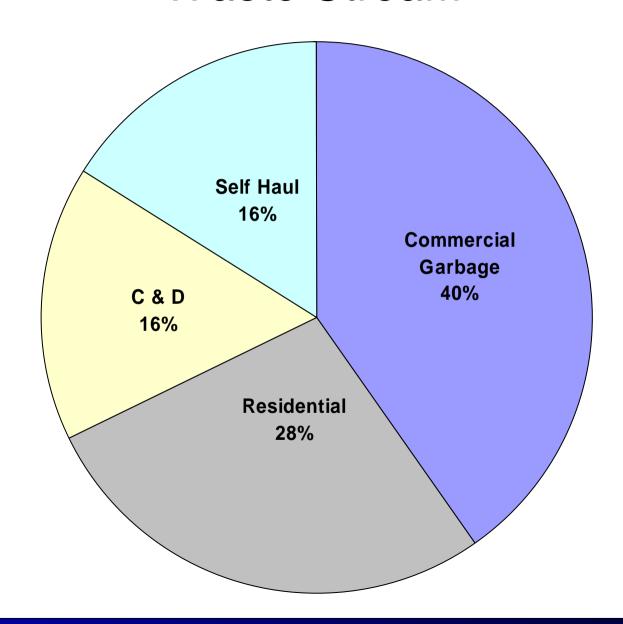


Sources of Waste

Franchised Waste
 Residential Waste
 Commercial Waste

Non-Franchised Waste
 C & D Material (Roll Off Boxes)
 Self Haul (Dump trucks, pickups and cars)

Waste Stream



IWMA Model Construction and Demolition Ordinance

IWMA Draft Model Ordinance - March 2000

Model Ordinance Adopted - September 2000

Construction and Demolition Ordinance

City of Arroyo Grande – Feb. 2001

- City of San Luis Obispo March 2001
- City of Morro Bay April 2002
- County of San Luis Obispo July 20, 2004 (?)

Construction and Demolition Ordinance

- Construction over \$50,000
- Demolition over 1,000 sf
- 50% diversion
- 2% fine

Construction and Demolition Ordinance

- C&D Plan Estimated Tonnage
- C&D Plan Actual Tonnage
- Option Use Certified C&D Facility

Construction and Demolition Recycling Plan and Disposal Report Inh Address Permit Number

1 Crimit Number	OOD Addic33	
Owner	Contractor	Phone No
Construction Type	Square Footage:	Project Est. Cost:

Recycling Contractor (i	f applicable)							
	Before Con		After Cons	struction (actua	Contractor/Owner to submit all disposal and recycling receipts			
MATERIALS	(estimated	tons)	Disposed	Diversion		- and poster and recepting receipts		
	Landfill	Diversion	Landfill	On-site reuse Off site recycle		Where		
Mixed Recyclables								
Land Clearing								
Inerts (Concrete, A/C, etc.)								
Drywall								
Metals								
Lumber								
Cardboard								
Trash		NA		NA	NA			
Total								

Estimated diversion rate: ______ % Actual diversion rate: _____ %

OFFICIAL USE ONLY					
Plan Approved					
Information Needed					
Plan Denied					
Project Value	\$				
Date					
Reviewed/Approved By:					

For Applicants: To Complete this form see the instructions on the other side

OFFICIAL USE ONLY					
Goal Achieved					
Substantial Compliance					
Goal Not Achieved					
Penalty Paid	\$				
Date					
Reviewed/Approved By:					

Applicable projects

The construction and demolition debris recycling ordinance applies to construction or renovation projects with a *valuation of \$50,000 or higher*.

In addition, all demolition projects equal to or greater than 1,000 square feet must also comply. The goal is to divert, by recycling or reuse, 50% or more of the materials (by weight) from the project. Failure to meet this goal will result in a civil penalty of 2 percent of the project valuation.

Permit application

As part of the permit application process, complete the top portion of the form and fill in the two columns under Before Construction. The two columns are the estimated amount of waste to be sent to the landfill and the estimated amount of waste to be diverted by reuse or recycling, by type of material. The information in these columns are only estimates and should be calculated based upon your experience as a builder. A guide to the amount of material generated by project for your reference is in the opposite column.

To calculate the estimated diversion rate divide the total diversion tonnage by the sum of the landfill and diversion tonnages and then multiply by 100.

<u>diversion</u> X 100 = Diversion Rate

If the estimated diversion rate is less than 50%, please submit an explanation as to why this project cannot achieve the goal.

After completing the form, and any other applicable information, inprint the recycling plan on all building and/or demo plans to be submitted for approval.

After finishing the project

Collect and attach all receipts for disposal and recycling. Fill in the actual disposal and diverted tonnages for each material. Calculate the diversion rate for the project using the equation shown above.

If the actual diversion rate is less than 50 percent, please provide an explanation as to why this project failed to meet the goal. Submit the completed form with the attached receipts to the Utilities Conservation Office to obtain blue card sign off prior to final inspection approval.

Recycling Contractor

If you are using a waste hauler that reports diversion rates of mixed construction and demolition recyclables to the IWMA, fill in the name of the contractor for our information. This will allow us to use the published diversion rate for that waste hauler.

Construction & Demolition Waste Generation Guide

Use the following conversion factors as guidelines when completing the Construction and Demolition Recycling Plan and Disposal Report

Projections by Project Type Lbs per Sq. Foot

Commercial Additions 27lbs Multi-Family New Const. 9.5	5lbs
Commercial reductions 27105 Water Lammy 110W Const. 7.	
Commercial Demolition 21lbs Single Family Addition 33	3lbs
Commercial New Const. 13lbs Single Family Demo 83	Blbs
Commercial T& I 10lbs Single Family Custom 7.:	5lbs
Multi-Family Addition 4.5lbs Single Family Tract 3.3	2lbs
Multi-Family Demo 16lbs Single Family Remodel 39	lbs

Conversion factors:

Mixed Waste	350 Pounds per cubic yard	5.7 cubic yards per ton
Inerts	1400 Pounds per cubic yard	1.4 cubic yards per ton
Drywall	500 Pounds per cubic yard	4.0 cubic yards per ton
Metals	150 Pounds per cubic yard	13.3 cubic yards per ton
Lumber	300 Pounds per cubic yard	6.7 cubic yards per ton
Cardboard	100 Pounds per cubic yard	20.0 cubic yards per ton

These figures are only to be used as a guide in calculating your Recycling Plan. The actual numbers may vary. Use the actual numbers when completing the After Construction portion of the form.

October 9, 2003

C & D RECYCLING GUIDE

Jood & Pallets Scrap Metals Scrap Metals phalt Roofing Plastic Arrile/Porcela halt/Concrete Appliances
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RECYCLING COMPANIES THAT ACCEPT C & D MATERIALS

A-1 Metals & Salvage	238-3545	Paso Robles	•								•	
Bedford Metals	922-4977	Santa Maria	•			•					•	
Burke Construction	543-8568	San Luis Obispo		•	•							
Gator Crushing	995-1097	Nipomo		•	•							
Hanson Aggregates	438-5778	Santa Margarita		•	•							
Heilman Salvage	466-4893	Atascadero	•								•	
Navajo Rock & Gravel	238-0955	Paso Robles		•	•							
Negranti Construction	995-3357	Cayucos		•	•							
Paso Robles Recycling	238-4678	Paso Robles				•			•			
Rossi Transportation	434-2884	Templeton										•
Troesh Ready Mix	928-3764	Nipomo		•	•							
Viborg Sand & Gravel Lui	s 238-4368	Paso Robles		•	•							
Victor Kemp Co.	541-0450	San Luis Obispo						•				
Zanker Landfill	(408) 263-2384	Gilroy					•			•		
"												

ROLL-OFF **COMPANIES** ACCEPTS MIXED BOXES FOR RECYCLING

American Equip Svc.	489-9521	Arroyo Grande	•	•	•	•			•	•	•
API Roll-Off Services	928-8689	Santa Maria	•	•	•	•			•	•	•
Coastal Roll-Off	543-0473 S	an Luis Obispo	•	•	•	•			•	•	•
Have Bins	466-3636	Atascadero	•	•	•	•			•	•	•
Mid-State Solid Waste	434-9112	Templeton	•	•	•	•			•	•	•
Paso Robles Roll-Off	238-2385	Paso Robles	•	•	•	•			•	•	•
R & R Roll-Off	929-8000 528-8440	Nipomo	•	•	•	•			•	•	•
San Miguel Roll-Off	239-1266	San Miguel	•	•	•	•			•	•	•

LANDFILLS & TRANSFER STATION

					 ,~_	 ~		- '			
Chicago Grande Landfill	466-2985	Atascadero	•	•	•	•			•	•	•
Cold Canyon Landfill	549-8332	San Luis Obispo	•	•	•	•			•	•	•
Paso Robles Landfill	238-2028	Paso Robles	•	•	•	•				•	•

Certified C&D Facility

- 4 Roll-off Companies (1 pending)
- 1 landfill (1 pending)
- Average C&D Facility recycling rate 71%

Summary

- Over 1,000 Permits Processed
- 21,000 Tons Diverted in 2003









